

Passenger flow management cloud platform

《User's manual》

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2023.04.06.

Declaration

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be careful

The parameters used in the screenshots shown in this manual are only for setting example reference and may not be completely consistent with the actual situation. Please set the parameters according to your actual needs.

Due to different software versions, the screenshots shown in this manual may not be completely consistent with the web interface of the product you purchased. Please configure your product based on the actual web interface. The host images in this manual are only for illustration purposes and may be different from the product you purchased, but they will not affect your normal use. Please rest assured to use them.

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1. System introduction

Summary:

The FOORIR passenger flow management cloud platform relies on online data uploading of "infrared passenger flow devices" and "binocular passenger flow devices", which can achieve data query and analysis of sub floors and areas such as parks, companies, stores, shopping malls, stations, hotels, etc. Through visualized numbers, curves, and graphics, user passenger flow data can be displayed intuitively. From daily passenger flow data, passenger flow KPIs, holiday passenger flow, high and low peaks, rankings, and trend analysis, Thermal diagram analysis. Users can query and browse data on cloud platforms according to their own needs.

System business process:

1. FOORIR Administrator

Business Process: Add Company - Enable Company - Grant Permissions

2. Company administrator account

Business Process 1: Add Store/Subordinate Agent Architecture - Create Employee Account - Grant Permissions - Global Data Query

Business Process 2: Add Entity - Add Entry/Exit - New Device - Device Binding Entry/Exit

2. Employee Account - Data Query

Business Process: Entity Data Query

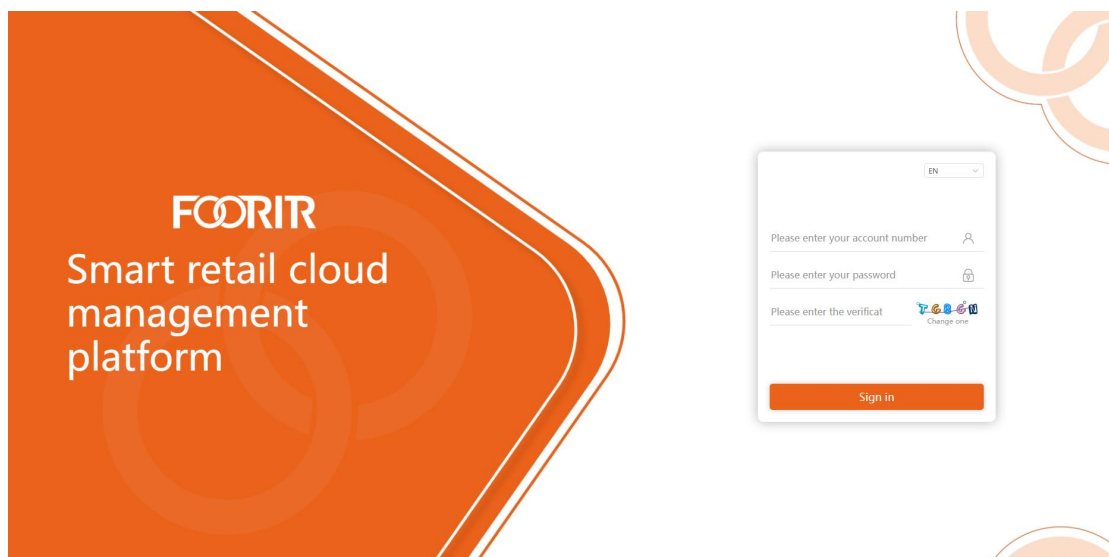
FOORIR Administrator User

1. Account login

Enter the internet address of the passenger flow platform

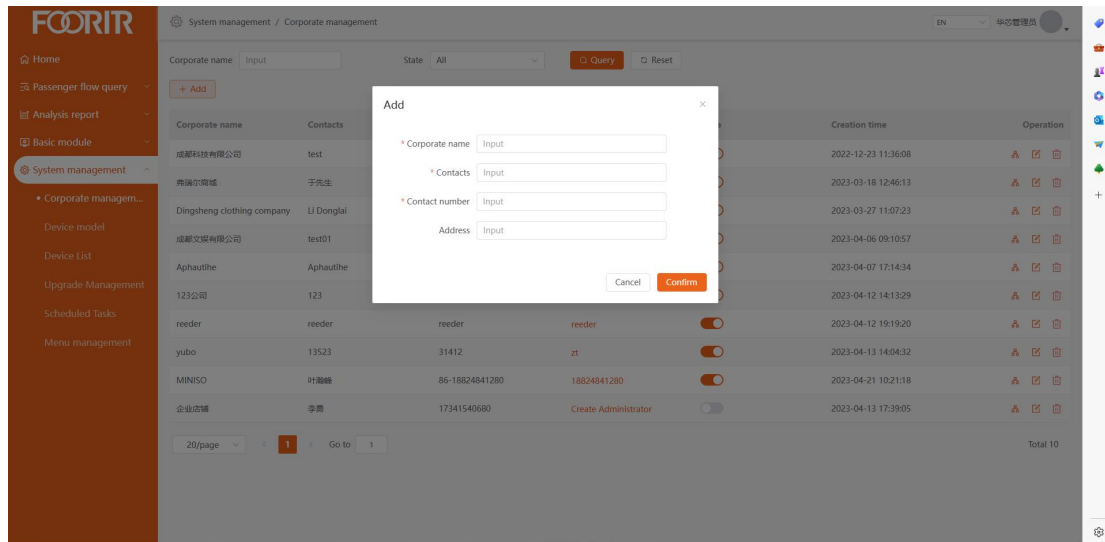
<http://vf.foorir.cn/>

Log in to the administrator account/password.



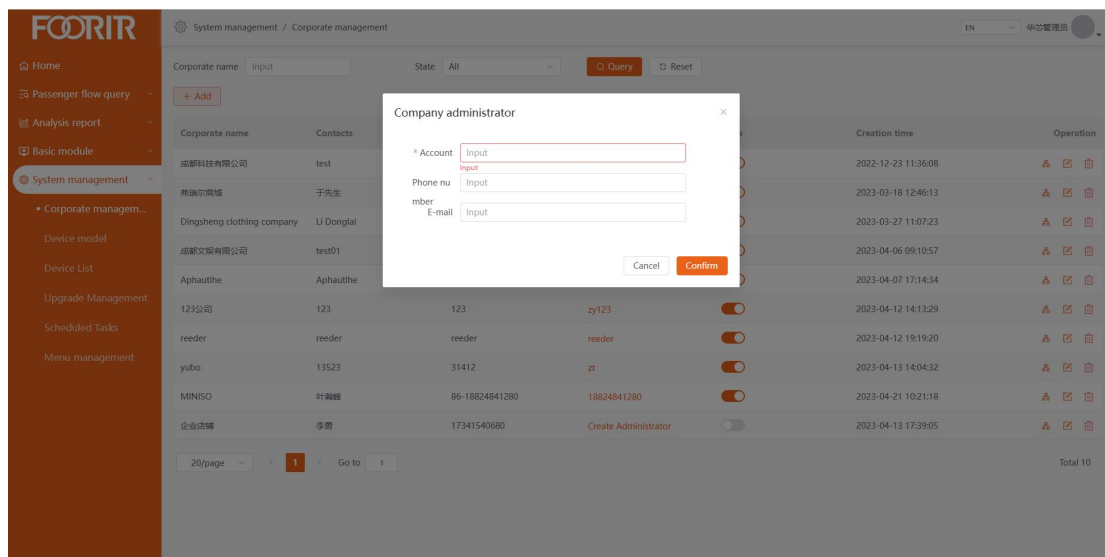
2、New added company

Log in to the system, select System Management Company Management New, fill in the information, and save it.



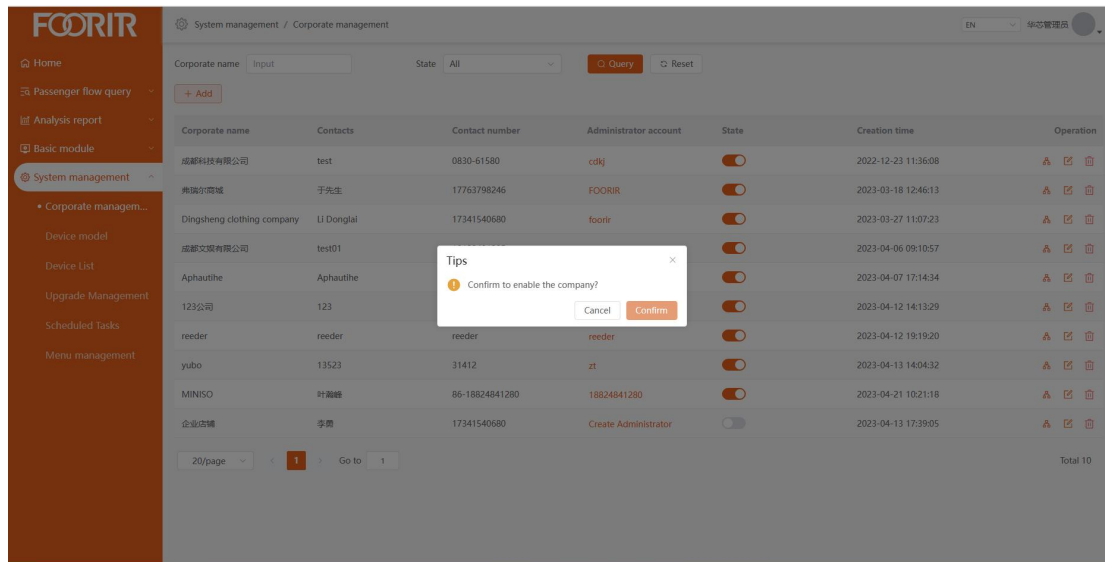
3、Create a company administrator

Create a company administrator account, default login password is: 888888, it can be modified after login.

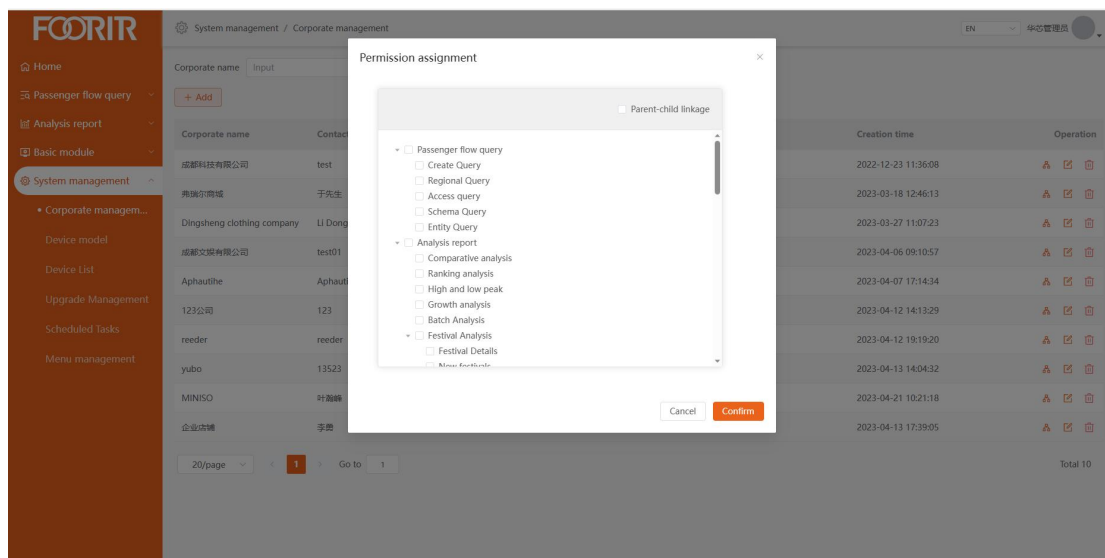


4、 Enable company and grant permissions

In the list, if the status is selected as enabled, it means that the company is enabled.



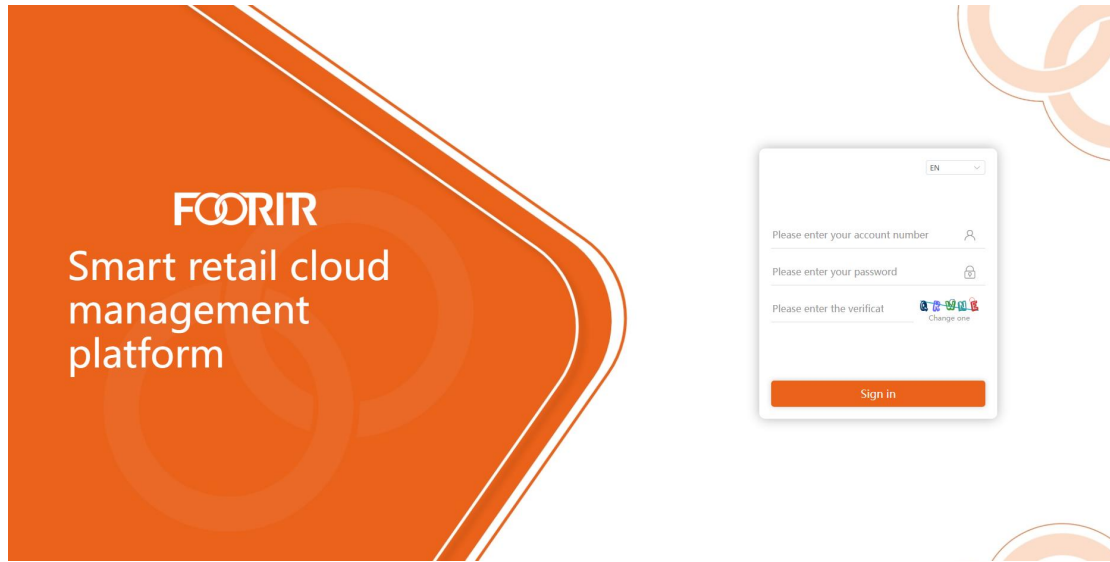
Click on the right side  , Grant the company permission to use the functions.



Chapter 3: Company Administrator Users

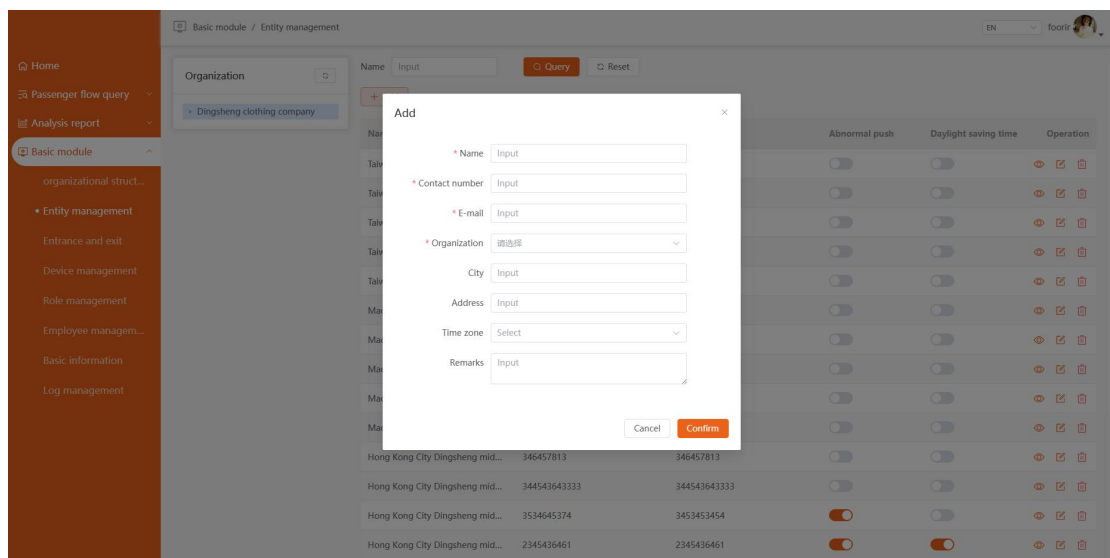
1. Account login

Enter the internet address of the passenger flow platform <http://vf.foorir.cn/> Login to the account password distributed by FOORIR company.



2、 Add new stores/branches

Log in to the system, select Basic Module - Entity Management - Add Store, fill in store information, and save.



If there are branches in the company, log in to the system, select Basic Module - Organizational Structure, add the name of the branch, and save it.

Name	State	Creation time	Operation
▽ Dingsheng clothing company	Normal	2023-03-27 11:07:23	+
▽ Dingsheng sportswear brand	Normal	2023-03-27 11:11:25	+ ✎ 🗑
▽ mainland region	Normal	2023-03-27 11:17:41	+ ✎ 🗑
Hangzhou City	Normal	2023-03-27 11:19:14	+ ✎ 🗑
chengdu City	Normal	2023-03-27 11:18:46	+ ✎ 🗑
Shanghai Municipality	Normal	2023-03-27 11:19:22	+ ✎ 🗑
▽ Hong Kong, Macao and Taiwan regions China	Normal	2023-03-27 11:20:32	+ ✎ 🗑
Hong Kong	Normal	2023-03-27 11:20:47	+ ✎ 🗑
macau	Normal	2023-03-27 11:20:54	+ ✎ 🗑
Formosa	Normal	2023-03-27 11:21:17	+ ✎ 🗑
▽ Peak middle-aged and elderly clothing	Normal	2023-03-27 11:13:18	+ ✎ 🗑
▽ mainland region	Normal	2023-03-27 11:21:32	+ ✎ 🗑
Shanghai Municipality	Normal	2023-03-27 11:22:19	+ ✎ 🗑
Hangzhou City	Normal	2023-03-27 11:22:11	+ ✎ 🗑
chengdu City	Normal	2023-03-27 11:22:02	+ ✎ 🗑
▽ Hong Kong, Macao and Taiwan regions China	Normal	2023-03-27 11:21:48	+ ✎ 🗑
Hong Kong	Normal	2023-03-27 11:22:28	+ ✎ 🗑
macau	Normal	2023-03-27 11:22:35	+ ✎ 🗑

3、Add employee role permissions

In role management, add - employee access to system functions and authorization nodes, as shown in the figure.

Name	Role Permissions	Role Level	Remarks	Creation time	Operation
Store management...	Store manag...	3	comment	2023-03-27 1...	✎ 🗑 ▶
regional mana...	regional man...	3	comment	2023-03-27 1...	✎ 🗑 ▶
director of op...	Authority of ...	3	comment	2023-03-27 1...	✎ 🗑 ▶
Brand director...	Brand directo...	3	comment	2023-03-27 1...	✎ 🗑 ▶
Dingsheng clo...	company_ad...	2		2023-03-27 1...	✎ 🗑 ▶

10/page < 1 > Go to 1 Total 5

Menu Assignment

☐ Parent-child linkage Save

- Passenger flow query
 - Entity Query
 - Regional Query
 - Access query
 - Create Query
- Analysis report
 - Comparative analysis
 - Ranking analysis
 - High and low peak
 - Growth analysis
 - Batch Analysis
- Festival Analysis
 - Festival Details
 - New festivals
 - Festival editor
 - Festival deletion
 - Thermal diagram
 - Festival Comparison
- Basic module
 - organizational structure
 - Query
 - Add
 - Edit
 - Delete
 - Entity management

4、Employee Management

After adding a new store, select Employee Management, add employees, fill in employee information, and grant employee permissions.

This step is completed, and employees can use this account for homepage viewing, customer flow KPI, holiday customer flow, trend analysis, customer flow quick check, and analysis report functions.

The screenshot displays the 'Employee management' interface. On the left is a sidebar menu with options: Home, Passenger flow query, Analysis report, Basic module (selected), organizational struct..., Entity management, Entrance and exit, Device management, Role management, Employee managem..., Basic information, and Log management. The main area shows a search bar with 'Dingsheng clothing company' and a table of employees. An 'Add' modal is open in the center, containing the following fields:

- Employee Name: Input
- * Account: Input
- Phone number: Input
- E-mail: Input
- * Role: Select
- Scope of authority: Organization (radio), Entity (radio, selected)
- * Entity: Select

At the bottom of the modal are 'Cancel' and 'Confirm' buttons. The background table lists employees with columns for checkboxes, names, roles, IDs, states, creation times, and operations.

	Employee Name	State	Creation time	Operation			
☐	9498	On	2023-03-28 11:21:38				
☐	00903	On	2023-03-28 11:18:26				
☐	540	On	2023-03-28 11:17:41				
☐	855	On	2023-03-28 09:10:19				
☐	6246	On	2023-03-28 09:08:34				
☐	4123	On	2023-03-28 09:04:57				
☐	552	On	2023-03-28 09:04:16				
☐	932	On	2023-03-28 09:02:30				
☐	5651123	On	2023-03-27 17:20:12				
☐	Macao Area Manager	AMPOJL	567389451123	567389451123	On	2023-03-27 17:14:53	
☐	Hong Kong Area Ma...	XGPQJL	173415406801	563574575361	On	2023-03-27 17:13:41	
☐	Shanghai Regional M...	SHSQVIL	45346555534	23532432325	On	2023-03-27 17:09:26	
☐	Regional Manager of ...	HZSQVIL	17341540680	17341540680	On	2023-03-27 17:08:12	
☐	Chengdu Regional M...	CDSQVIL	32534634642	214155355680	On	2023-03-27 16:57:12	

5、Device management

Company accounts can add customer flow devices to the store, or employee accounts can be used to add customer flow devices to the store. However, administrators need to bind the devices to the entrance and lower level employee accounts in order to view them.

Select Device Management, fill in the device number, device name, and save it.

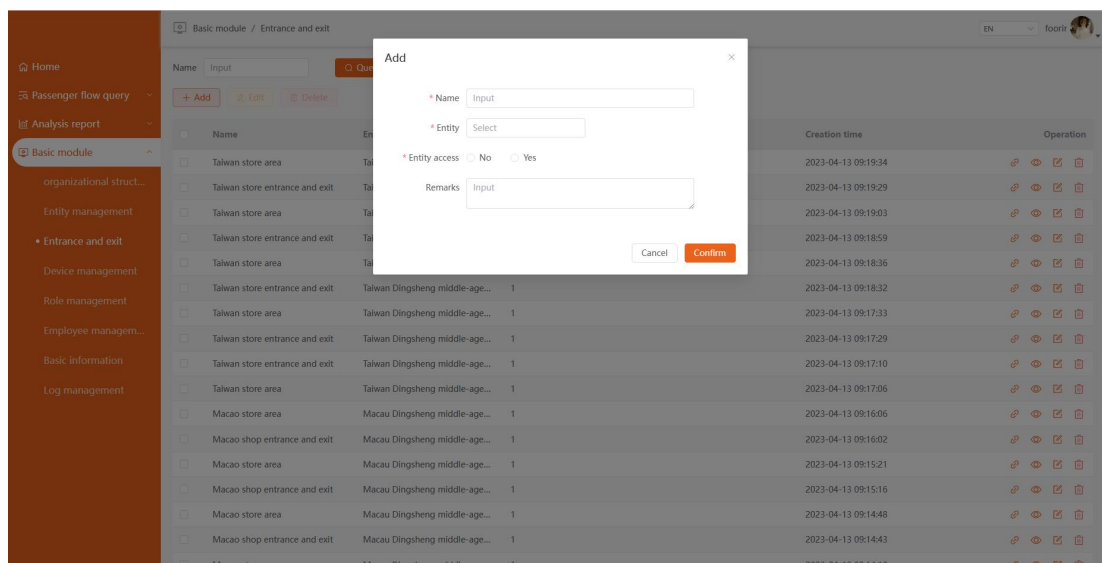
The screenshot displays the 'Basic module / Device management' interface. At the top, there are statistics: Total 132, Normal devices 21, Off-line devices 111, and Unused devices 0. A modal window titled 'Add' is open, showing fields for Device name, SN, Device type, and Model. Below the modal, a table lists existing devices with columns for SN, Device name, State, Last reporting time, Creation time, and Operation. The table contains 15 rows of data, all showing 'off line' status.

SN	Device name	State	Last reporting ...	Creation time	Operation
20130608164540	20130608164540	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164539	20130608164539	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164538	20130608164538	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164537	20130608164537	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164536	20130608164536	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164535	20130608164535	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164534	20130608164534	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164533	20130608164533	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164532	20130608164532	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164531	20130608164531	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164530	20130608164530	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164529	20130608164529	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164528	20130608164528	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]
20130608164527	20130608164527	off line	2023-04-21 17:...	2023-04-13 09:...	[icon] [icon] [icon]

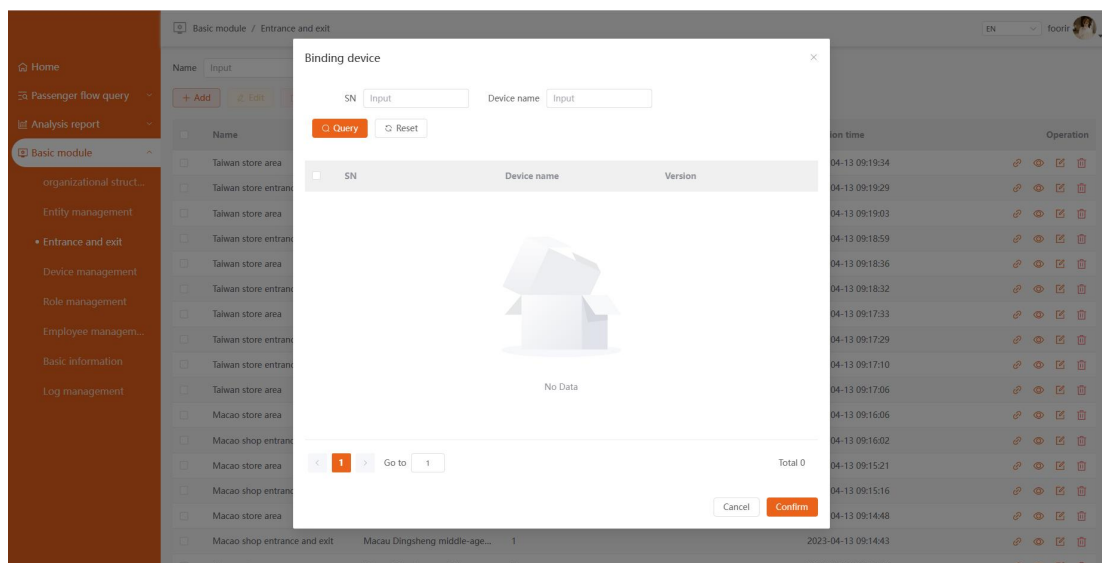
6、Entrance and exit management

Company account, you can create a new store or lower level entrance/exit, select entrance/exit management, add corresponding entrances/exits, and whether it is a physical entrance/exit. You need to select Yes and save it.

Only when 'Yes' is selected for the physical entrance and exit, will the entrance and exit be accounted for in the homepage data statistics.



After creating the entrance and exit, select  the button to bind the passenger flow device. Once the binding is complete, subordinates can automatically generate data for the store or area on the homepage based on the device bound by the administrator.

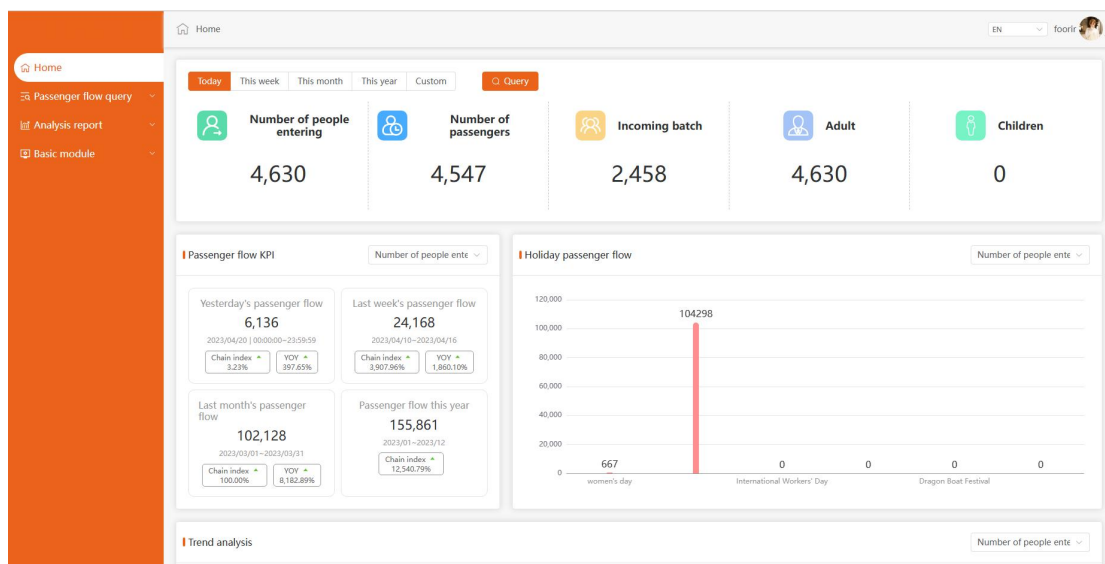


7. Store data browsing (homepage)

Data query: The default display is the data of the current day, and you can switch between this week, this month, and this year KPI of passenger flow: yesterday's passenger flow, last week's passenger flow, month on month passenger flow, year-on-year passenger flow, and month on month passenger flow this year.

Holiday customer flow: Customization can be created through customer flow quick check holiday analysis. Multiple festivals form a contrast.

Trend analysis: Compare today's data with yesterday's data by hour.

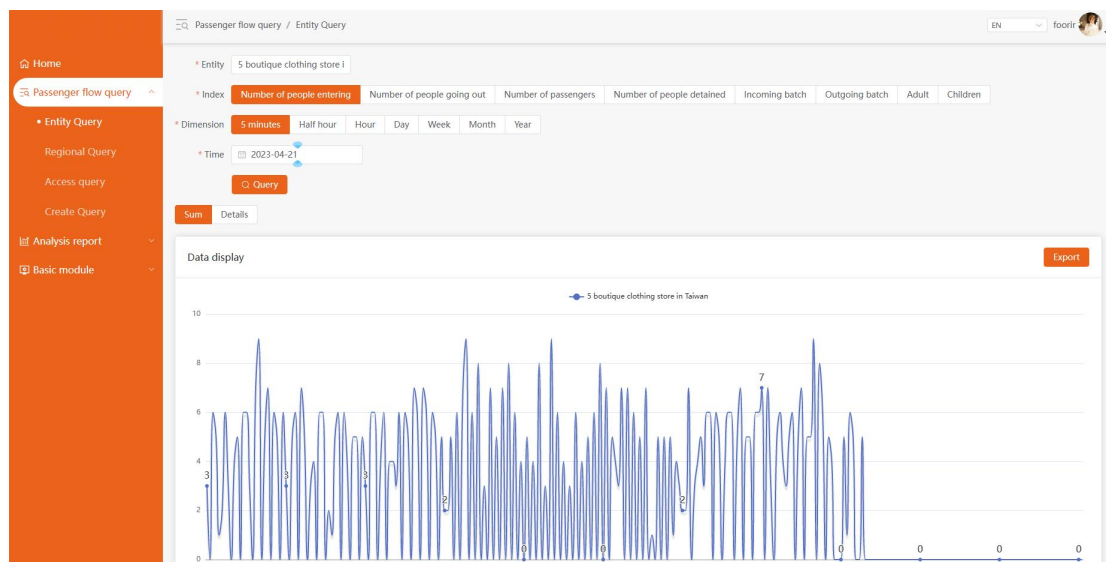


8. Quick Check of Passenger Flow

Entity Query:

You can query the data of a certain store, or you can query the data of two stores simultaneously, or you can select several stores from two branches for query.

The company account can customize and select corresponding stores, indicators, time, and dimensions according to needs for querying and data curve comparison.



Regional query:

The meaning of this area is a fitting room, restroom, and other areas under the store.

Create an area for the store, click on the icon for entity management, enter entity details creation, and bind the devices in that area.

Basic module / Entity management / Entity Details

EN foorir

Essential information

Name Taiwan Dingsheng middle-aged and elderly clothing 3 shops

Contact number 12413521454

E-mail 13412412412

Abnormal push ☐

Daylight saving time ☐

City -

Address -

Remarks -

Entrance and exit management

+ Add

Name	Entity access	Remarks	Creation time	Operation
Taiwan store area		-	2023-04-13 09:18:36	
Taiwan store entrance and exit		-	2023-04-13 09:18:32	

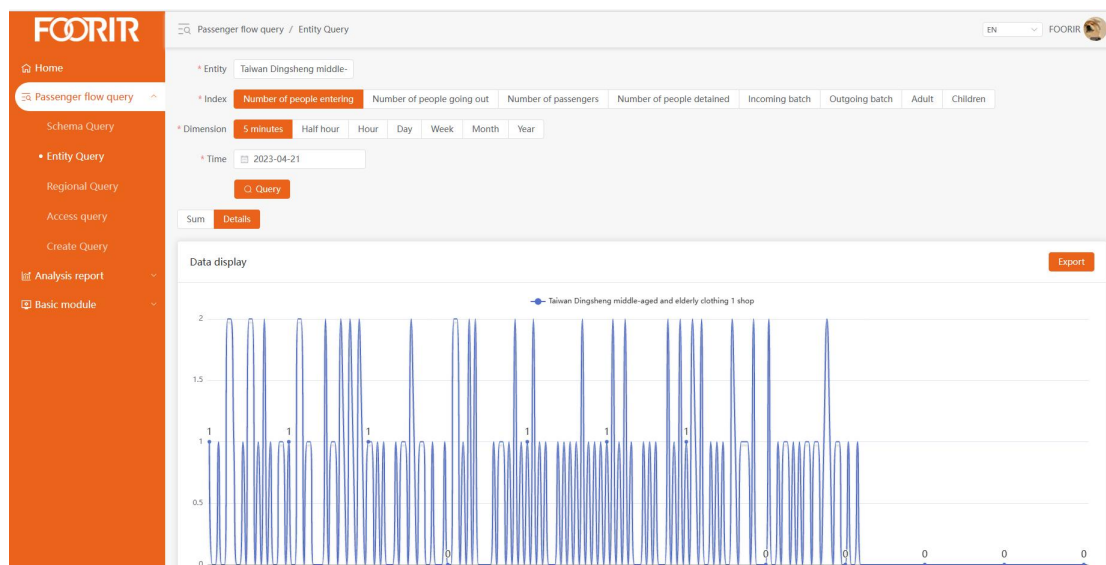
< 1 > Go to 1

Total 2

Area management (Such as floor, fitting room, etc)

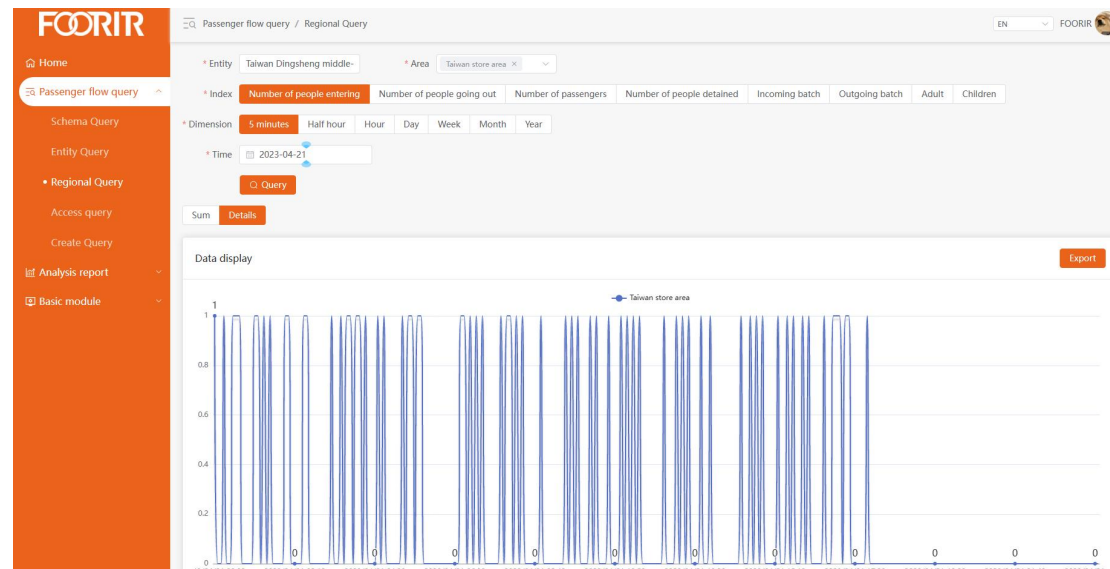
+ Add

Regional query, based on the selected store, corresponding location, and the number of people curve in one or more regions.



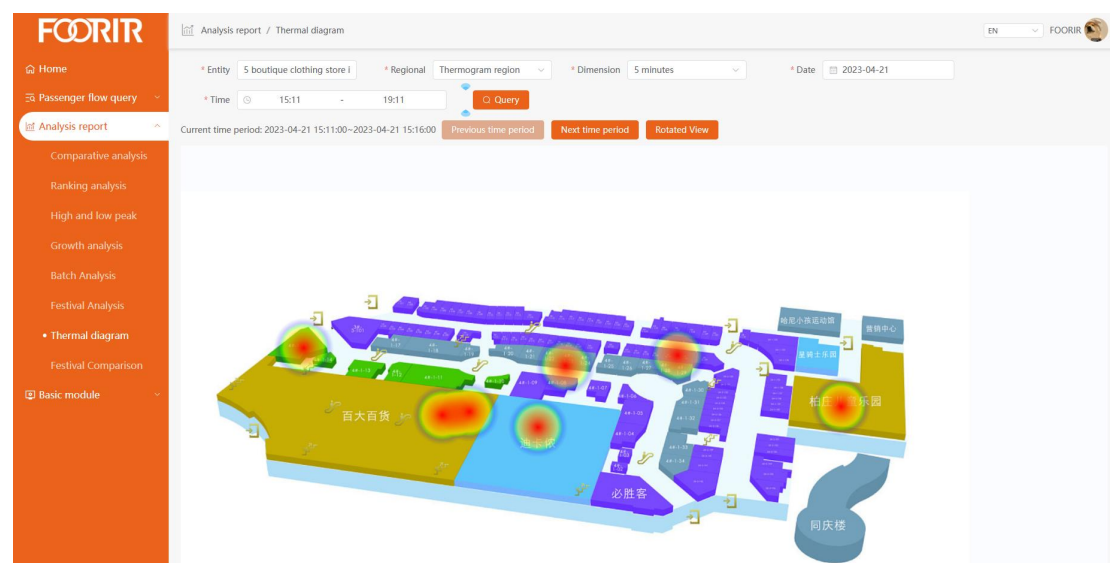
Entry and exit query:

Entry and exit query, which can query the entry and exit data of a single store based on indicator type and time period



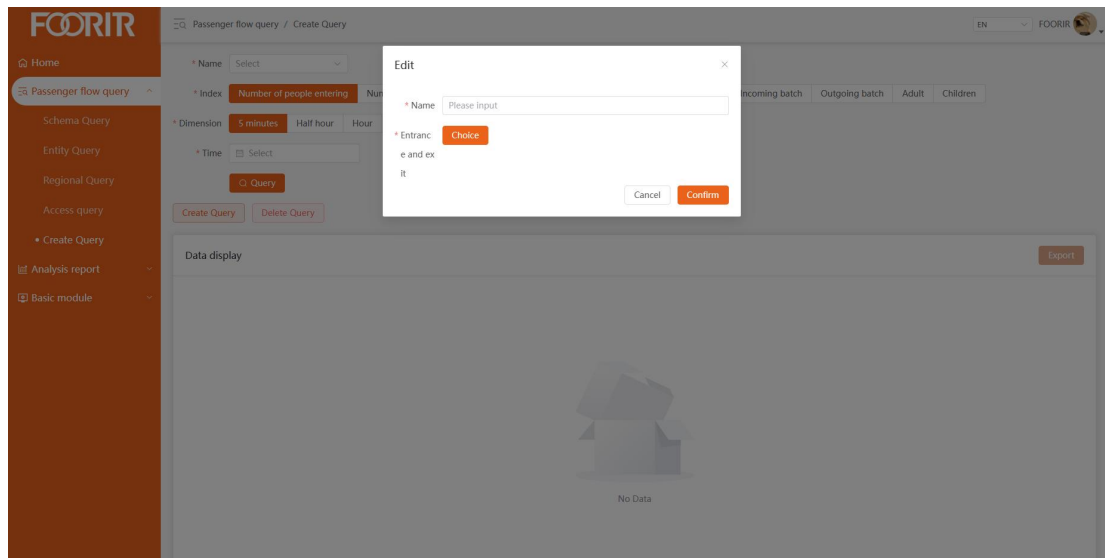
Heat map query:

Heat map query, the system uploads heat map information based on binocular passenger flow, and displays it when users search for stores.



Create query:

Create a query that allows you to create a query for multiple stores, entrances, and exits. Once created, it can be displayed in a drop-down list for the convenience of the next query.



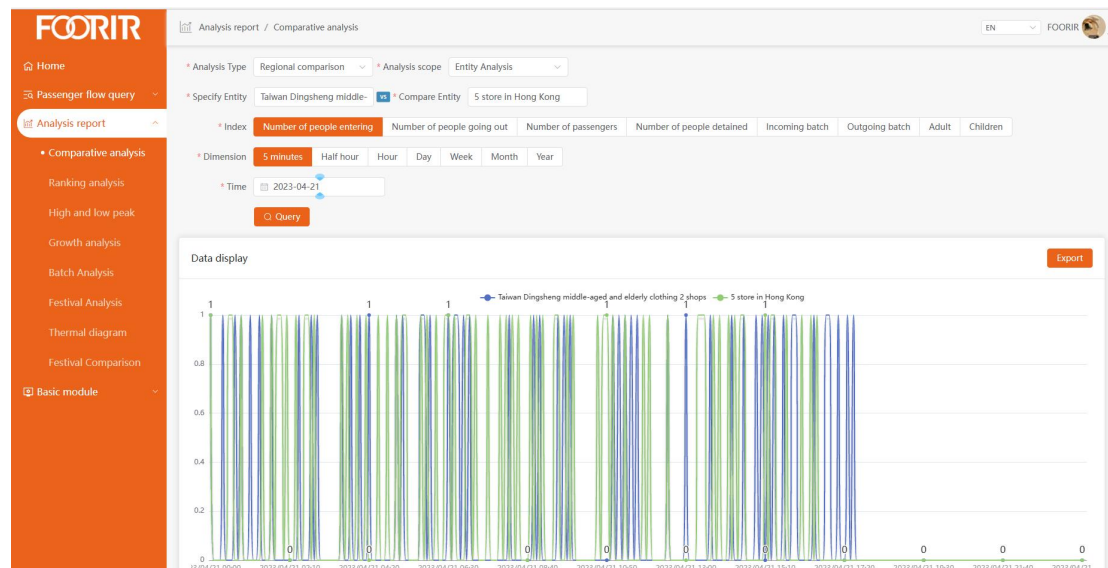
9. Analysis report

Comparative analysis:

It can conduct multi-dimensional analysis, such as entity analysis, regional analysis, and entrance and exit analysis.

A. Single store analysis and data curve analysis can be conducted on the entrances and exits/certain areas within the store, at different time periods.

B. Comparable data from multiple stores



Ranking analysis:

Perform comparative analysis of data rankings for multiple stores based on customized queries.

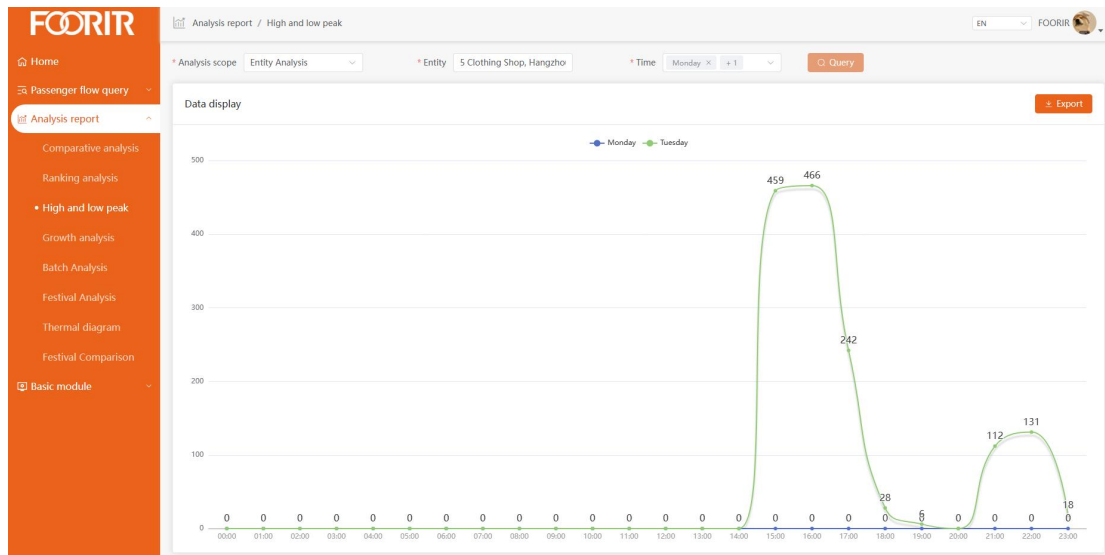
The screenshot displays the FOORIR Ranking analysis interface. The left sidebar shows the navigation menu with 'Analysis report' selected. The main panel shows the 'Ranking analysis' settings. The 'Analysis scope' is set to 'Entity Analysis'. The 'Entity' is set to '5 Boutique Clothing Store, Shanghai'. The 'Time' is set to 'Today'. The 'Data display' section shows a table with the following data:

S...	Entity	Number of people entering	Number of passengers	Adult	Children
1	5 Boutique Clothing Store, Shanghai	71	66		

An 'Export' button is visible in the top right corner of the table area.

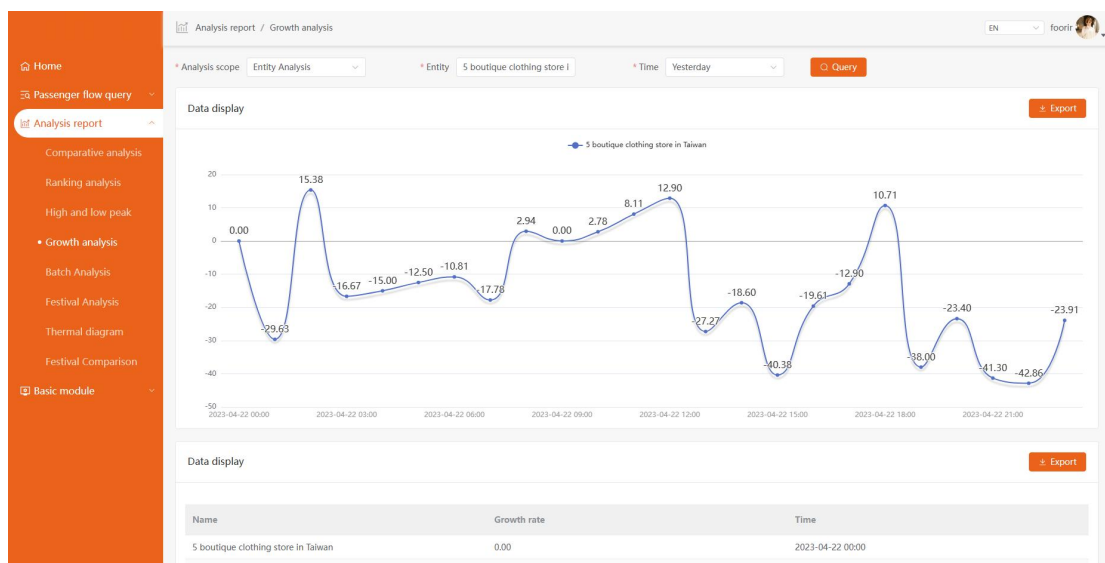
High and low peak analysis:

You can compare the high and low peaks of multiple stores or the previous week's peak values of a single store by selecting a store.



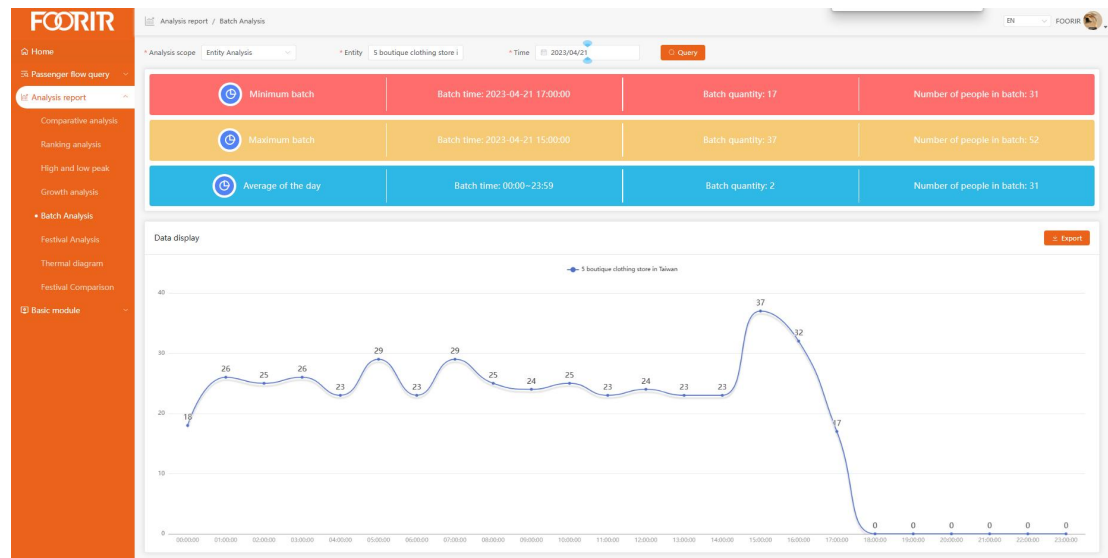
Growth analysis:

Multiple stores can be selected, and the growth rate can be obtained by comparing the data from the previous week with last week, this month, and last month, such as February 1st and January 1st.



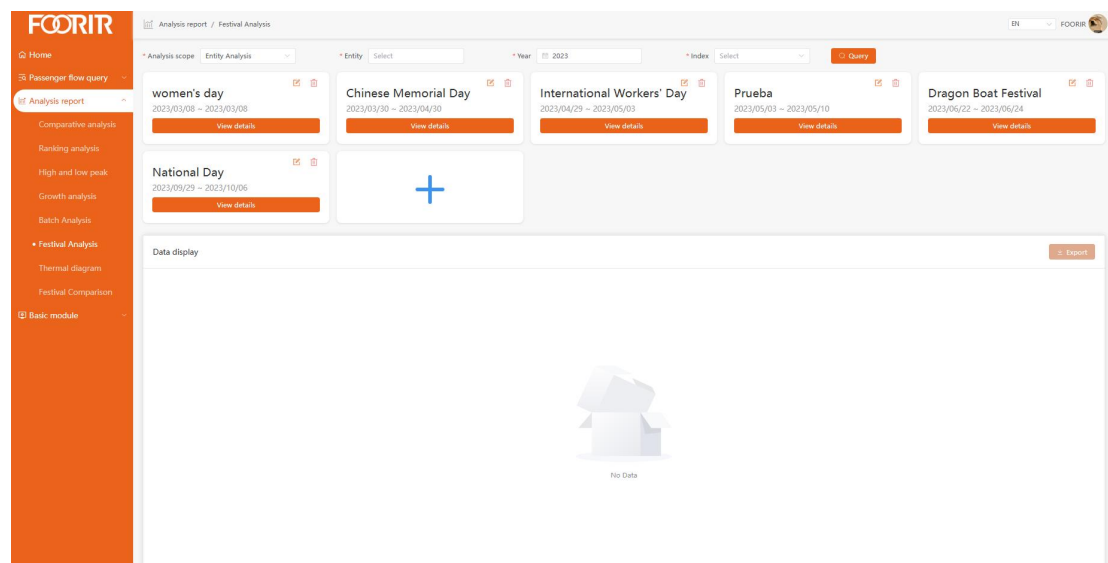
Batch analysis:

By selecting a certain store and time, the maximum and minimum batches of the store on that day, as well as time periods without data, can be queried.



Holiday analysis:

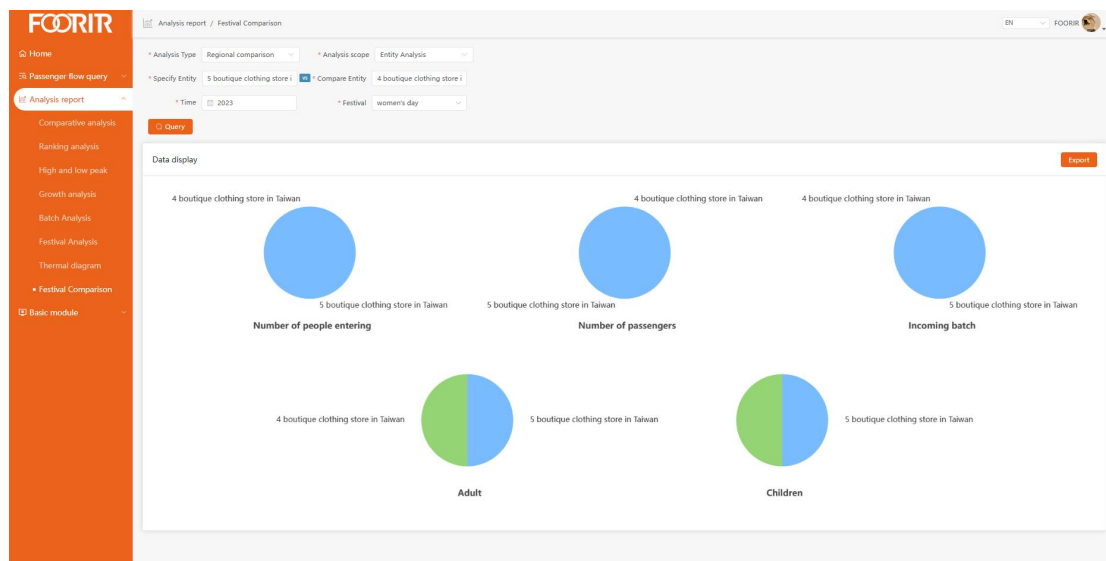
By creating specific festivals and displaying them on the homepage, if the time is the same as last year, the festivals from last year can also be inherited.



Festival comparison:

You can choose two stores for comparison by comparing their holiday data.

You can also choose multiple festivals and compare the data of each festival in the store.



10. Remote configuration of binocular passenger flow

Binocular passenger flow can be remotely configured through the platform, adjusting configuration items such as detection height, detection line, and detection area.

The screenshot displays the FOORIR platform interface, divided into two main sections: a top dashboard and a bottom configuration panel.

Top Dashboard:

- Basic module / Device management:** Shows a summary of device status: Total 132, Normal devices 78, Off-line devices 54, and Unused devices 0.
- Table:** A table listing binocular passenger flow devices. Columns include SN, Device name, Device type, Model, Entity, Version, State, Last reporting time, Creation time, and Operation. The table lists 20 devices, all of which are 'Binocular passenger flow' devices with model 'HK-CCD2' and state 'On-line'.

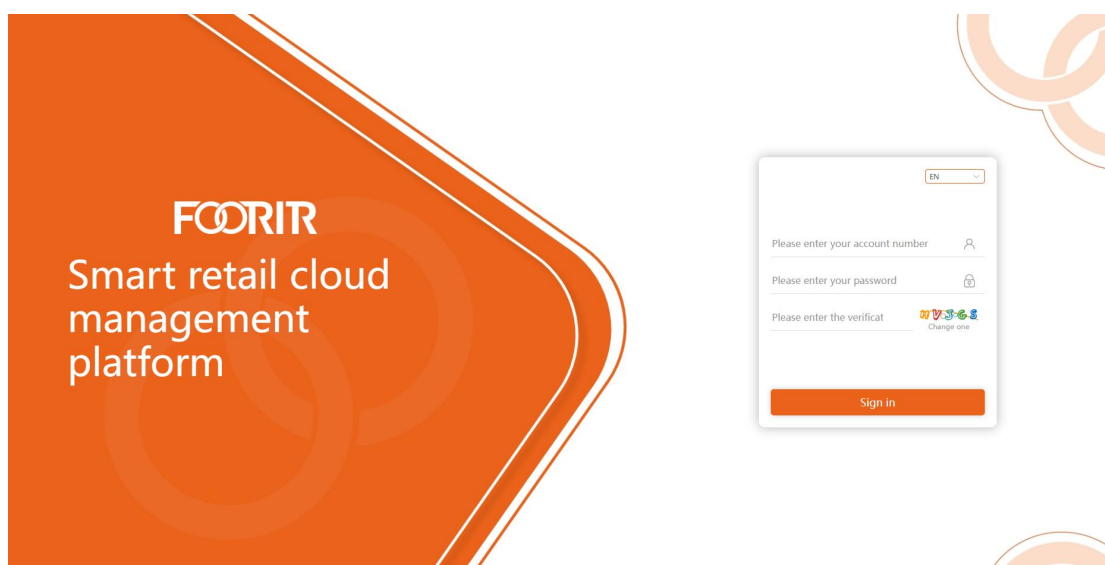
Bottom Configuration Panel:

- Left Sidebar:** Contains navigation links for '检测设置' (Detection Settings), 'Http 设置' (Http Settings), and '高级设置' (Advanced Settings).
- Main Content Area:**
 - 检测设置 (Detection Settings):** Includes a '同步' (Sync) button and a list of instructions:
 - 1. 该数据不是设备的实时数据，需要手动同步。
 - 2. 手动同步后，需要等待3~60s。
 - 3. 如果同步失败，请先确定该设备是否支持该功能。若支持，需要再次手动同步。
 - 高度设置 (Height Settings):** Includes sliders for '检测高度(cm)' (Detection Height) set to 250, '滤除高度(cm)' (Filter Height) set to 120, and '旋转角度(度)' (Rotation Angle) set to 0. There are also checkboxes for '过道模式' (Corridor Mode) and '折线模式' (Zigzag Mode).
 - 检测区域 (Detection Area):** Includes buttons for '检测方向设置' (Detection Direction Settings), '检测区域设置' (Detection Area Settings), and '检测线设置' (Detection Line Settings).
 - 统计状态 (Statistics Status):** A section for monitoring device statistics.
- Right Panel:** Displays a live video feed from a camera, showing a person walking through a detection area. The video is timestamped '2023-04-12 09:58:00'.

Chapter 1 Employee Users Chapter 4: Employee Users

1、Account login

Enter the internet address of the passenger flow platform
<https://huaxinlot.com>, Login employee account
password/verification code



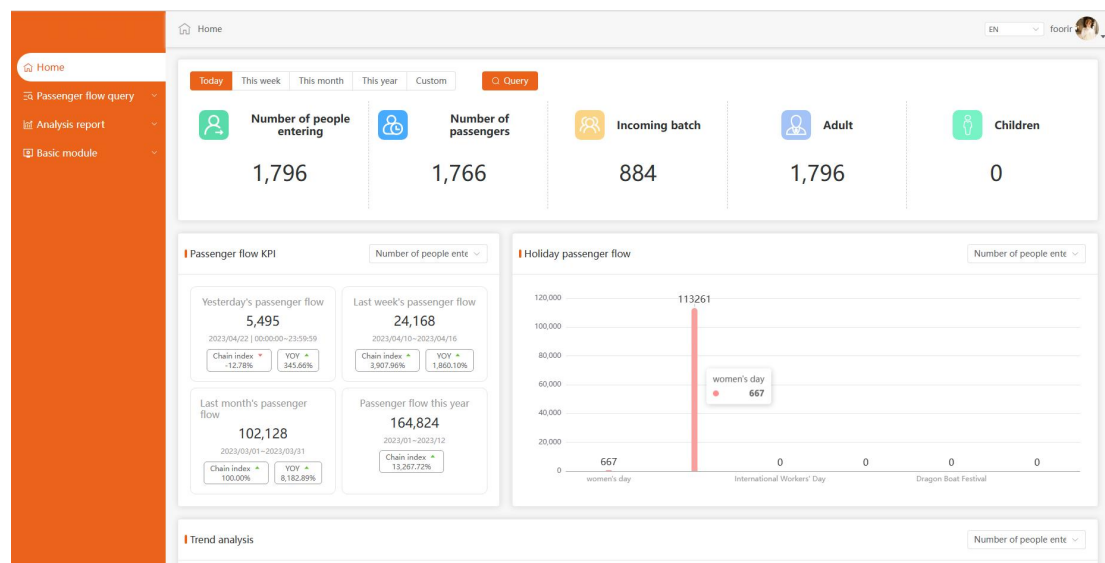
2、Store data browsing (homepage)

Data query: The default display is the data of the current day, and you can switch between this week, this month, and this year

KPI of passenger flow: yesterday's passenger flow, last week's passenger flow, month on month passenger flow, year-on-year passenger flow, and month on month passenger flow this year.

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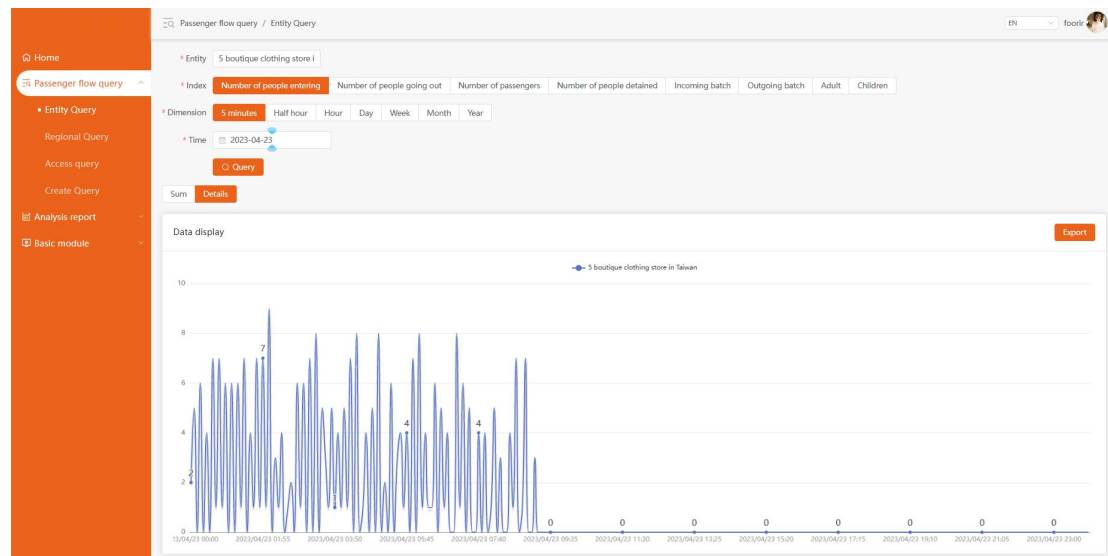


3、Quick Check of Passenger Flow

Entity Query:

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Regional query:

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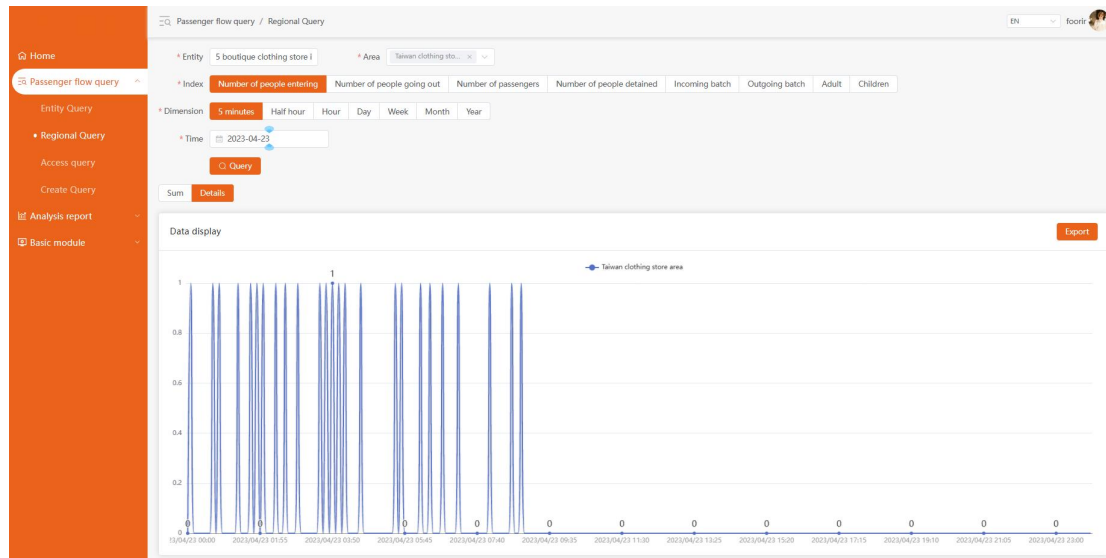
Create an area for the store, click  on the icon for entity management, enter entity details creation, through  and bind the devices in that area.

The screenshot displays the 'Entity management' interface. The left sidebar shows the navigation menu with 'Entity management' selected. The main area shows the 'Essential Information' section with fields for Name, Contact number, E-mail, Abnormal push, Daylight saving time, City, Address, and Remarks. Below this is the 'Entrance and exit management' section with a table of entity access records.

Name	Entity access	Remarks	Creation time	Operation
Hong Kong shop area		-	2023-04-13 09:10:52	  
Store entrance and exit in Hong Kong		-	2023-04-13 09:10:48	  

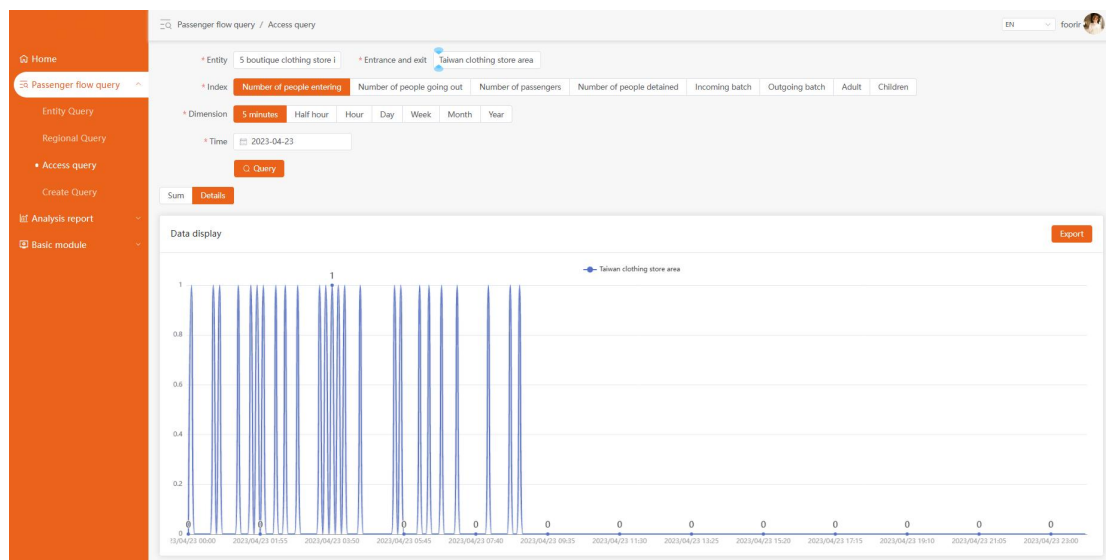
Total 2

Regional query, based on the selected store, corresponding location, and the number of people curve in one or more regions.



Entry and exit query:

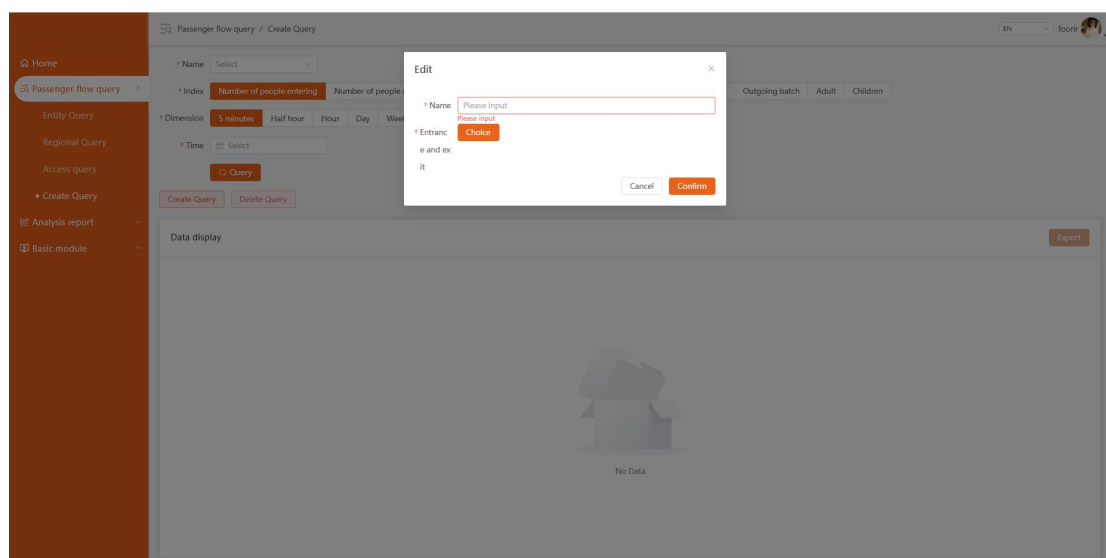
Entry and exit query, which can query the entry and exit data of a single store based on indicator type and time period



Heat map query, the system uploads heat map information based on binocular passenger flow, and displays it when users search for stores.



Create a query that allows you to create queries for multiple stores, entrances, and exits, making it convenient for the next query.



4、 Analysis report

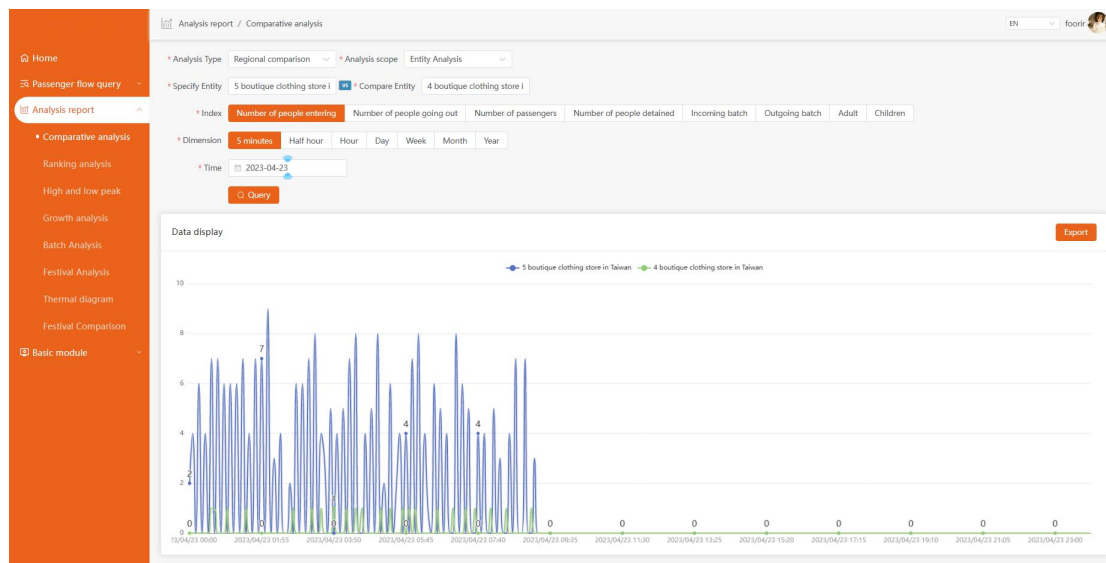
Comparative analysis:

Comparative analysis:

It can conduct multi-dimensional analysis, such as entity analysis, regional analysis, and entrance and exit analysis.

A. Single store analysis and data curve analysis can be conducted on the entrances and exits/certain areas within the store, at different time periods.

B. Can be compared with data from multiple stores.



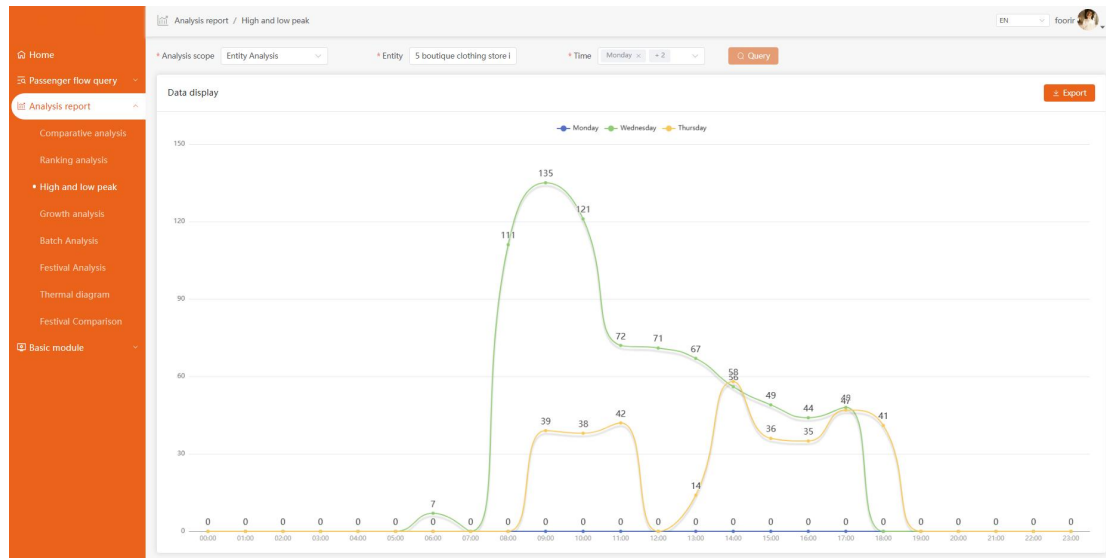
Ranking analysis:

Perform comparative analysis of data rankings for multiple stores based on customized queries

The screenshot displays the 'Ranking analysis' interface. The left sidebar shows the navigation menu with 'Ranking analysis' selected. The main area shows the 'Analysis report / Ranking analysis' page. The 'Analysis scope' is 'Entity Analysis'. The 'Entity' is 'Shop No. 5 in downtown h'. The 'Time' is 'Today'. The 'Data display' section shows a table with the following data:

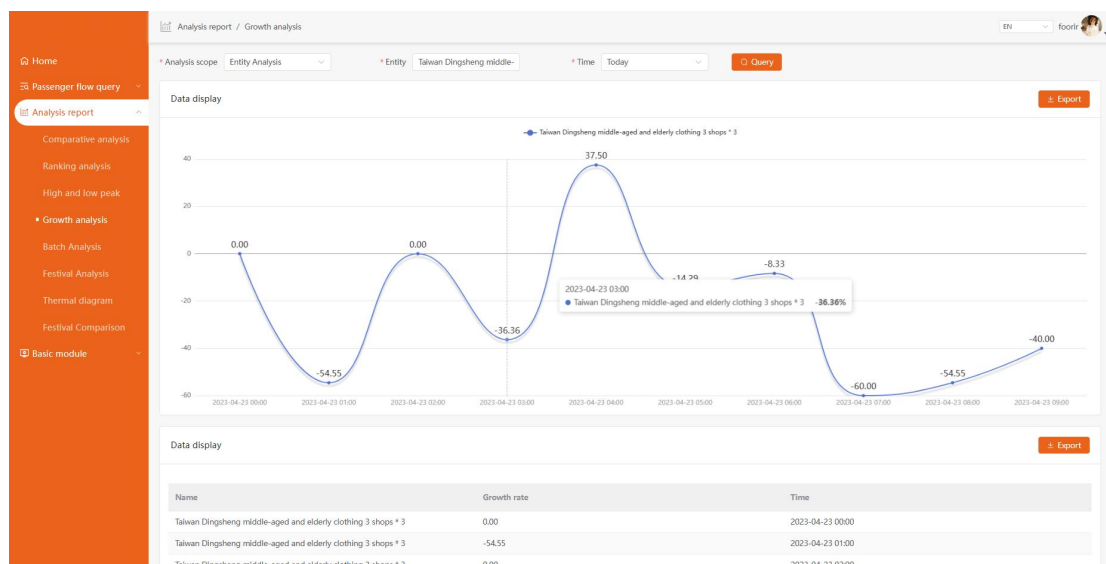
S...	Entity	Number of people entering	Number of passengers	Adult	Children
1	5 boutique clothing store in Taiwan	280	277		
2	3 boutique clothing store in Taiwan	28	19		
3	5 store in Hong Kong	25	30		
4	Shop No. 5 in downtown Macau	25	30		
5	4 boutique clothing store in Taiwan	23	24		

You can compare the high and low peaks of multiple stores or the previous week's peak values of a single store by selecting a store.



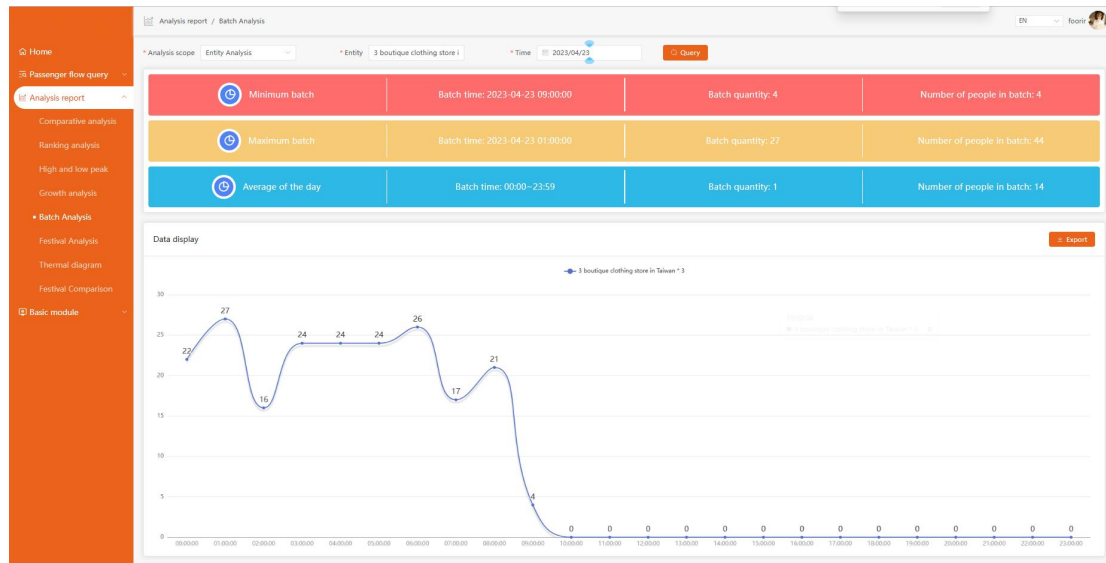
Growth analysis:

Multiple stores can be selected, and the growth rate can be obtained by comparing the data from the previous week with last week, this month, and last month, such as February 1st and January 1st.



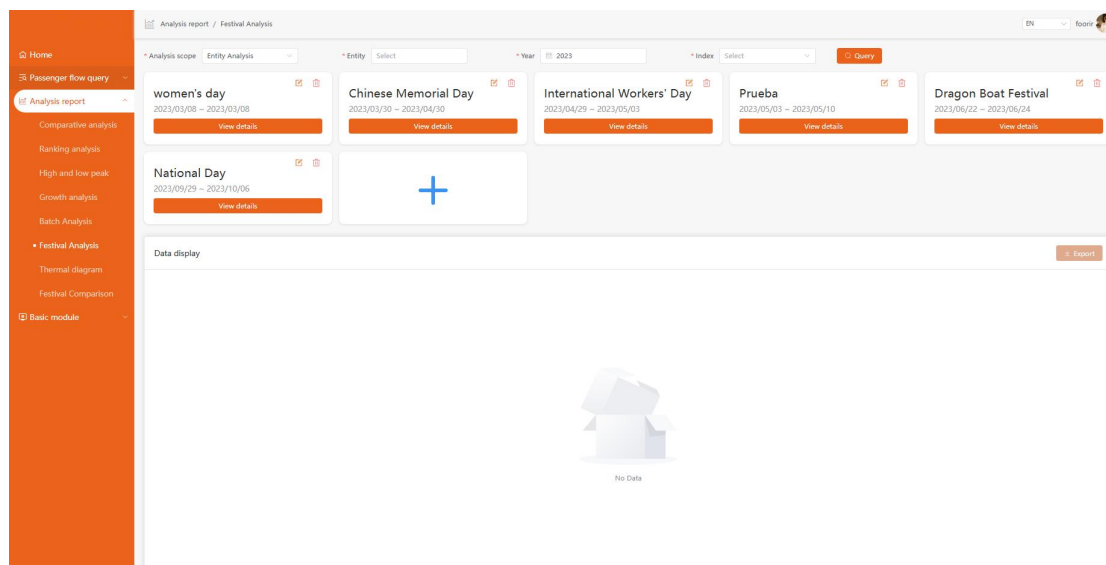
Batch analysis:

By selecting a certain store and time, the maximum and minimum batches of the store on that day, as well as time periods without data, can be queried.



Holiday analysis:

By creating specific festivals and displaying them on the homepage, if the time is the same as last year, the festivals from last year can also be inherited.



Festival comparison:

You can choose two stores for comparison by comparing their holiday data.

You can also choose multiple festivals and compare the data of each festival in one store.

